BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

PRE-MEASUREMENT

Name of work: Works Related to damaged Caurse due to Flood in Ward No.09 (Vidyaranyapura).

Estimated Cost : Rs. 40.00 Lakhs

Head of Account : P3726 Zonal Public Works - POW Works

Job Code: 009-23-000001

Name of Agency: Sri.Nagoor Lokanadah Reddy, Flat No. 102, 1st Floor, No. 2, MSNR Enclave, 2nd Cros, Manorayana Palya, RT Nagar

Work order No: BBMP/EE/BTP/WO/64/2022-23 D: 07-11-2022.

	Measurements Recarded on :	10-03-2023					
Sl. No.	**Description of Item**	**Measurments**				**Qty**	**Unit**
		No.s	**L**	**B**	**D**		
1	Removing and Resetting of Footpath Slab (Approved Data rate enclosed).						
	Desilting						
	Basavasamithi Layout 6th Cross - N/S	1	15.00	0.90		13.50	
		1	15.00	0.90		13.50	
		1	15.00	0.90		13.50	
		1	15.00	0.90		13.50	
		1	15.00	0.90		13.50	
		1	9.00	0.90		8.10	
	Basavasamithi Layout 6th Cross - S/S						
		1	15.00	0.90		13.50	
		1	15.00	0.90		13.50	
		1	15.00	0.90		13.50	
		1	15.00	0.90		13.50	
		1	15.00	0.90		13.50	
		1	9.00	0.90		8.10	
	Basavasamithi Layout 5th Cross - S/S						
		1	15.00	0.90		13.50	
		1	15.00	0.90		13.50	
		1	15.00	0.90		13.50	
		1	15.00	0.90		13.50	
		1	15.00	0.90		13.50	
		1	15.00	0.90		13.50	
		1	15.00	0.90		13.50	
		1	4.00	0.90		3.60	
	Basavasamithi Layout 5th Cross - N/S						
		1	15.00	0.90		13.50	
		1	15.00	0.90		13.50	
		1	15.00	0.90		13.50	
		1	15.00	0.90		13.50	
		1	15.00	0.90		13.50	
		1	15.00	0.90		13.50	

AEE (VRP)

AEE (VRP) SD

AEE (VRP)

AEE (VRP) SD

330.30

Sl. No	Description of Item	Measurments				Qty	Unit
		No.s		L	B	D		
			1	15.00	0.90		13.50
			1	4.00	0.90		3.60
			Total Qty =				347.40	Sqm

330.50

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura sub Division

N. Lelanadhareddy

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Sl. No	Description of Item	Measurments				Qty	Unit
		No.s	L	B	D		
	Measurements Recarded on :	13-03-2023					
2	**Earth work excavation by manual means for drains**,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost. **In all kinds of soils Depth upto 1.5 m**						
	Desilting						
	Basavasamithi Layout 6th Cross - N/S	1	15.00	0.45	0.45	3.04	
		1	15.00	0.45	0.45	3.04	
		1	15.00	0.45	0.45	3.04	
		1	15.00	0.45	0.45	3.04	
		1	15.00	0.45	0.45	3.04	
		1	9.00	0.45	0.45	1.82	
	Basavasamithi Layout 6th Cross - S/S						
		1	15.00	0.45	0.45	3.04	
		1	15.00	0.45	0.45	3.04	
		1	15.00	0.45	0.45	3.04	
		1	15.00	0.45	0.45	3.04	
		1	15.00	0.45	0.45	3.04	
		1	9.00	0.45	0.45	1.82	
	Basavasamithi Layout 5th Cross - S/S						
		1	15.00	0.45	0.45	3.04	
		1	15.00	0.45	0.45	3.04	
		1	15.00	0.45	0.45	3.04	
		1	15.00	0.45	0.45	3.04	
		1	15.00	0.45	0.45	3.04	
		1	15.00	0.45	0.45	3.04	
		1	15.00	0.45	0.45	3.04	
		1	4.00	0.45	0.45	0.81	
	Basavasamithi Layout 5th Cross - N/S						
		1	15.00	0.45	0.45	3.04	
		1	15.00	0.45	0.45	3.04	
		1	15.00	0.45	0.45	3.04	
		1	15.00	0.45	0.45	3.04	
		1	15.00	0.45	0.45	3.04	
		1	15.00	0.45	0.45	3.04	
		1	15.00	0.45	0.45	3.04	
		1	4.00	0.45	0.45	0.81	
	For New CC Drain						
	LG Enclave Main Road E/S						
	From Dead end to Main Road	1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	

AEE (VRP) SD

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182-165

Sl. No	Description of Item	Measurments				Qty	Unit
		No.s	L	B	D		
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.50	22.50	
		1	15.00	1.00	1.50	22.50	
		1	7.30	1.00	1.50	10.95	
	Culverts						
	near Dhanalakshmi Enterprises, IECEHS Layout	1	6.80	1.50	1.20	12.24	
	7th A Cross Gurudharshan Layout	1	6.40	1.50	1.20	11.52	
	Venkataswamappa Layout 2nd Cross	1	5.60	1.50	1.20	10.08	
	Sapthagiri Layout 5th A Cross	1	5.60	1.50	1.20	10.08	
	Sapthagiri Layout 3rd Main	1	6.30	1.50	1.20	11.34	
	5th Main Canara Bank Layout	1	13.00	1.50	1.20	23.40	
	9th Main Shivarama Karanth Road, Canara Bank Layout	1	8.20	1.50	1.20	14.76	
	8th 'A' Main Canara Bank Layout	1	11.10	1.50	1.20	19.98	
	6th Cross Sir M V Layout	1	6.20	1.50	1.20	11.16	
	5th Main Dhanalakshmi Layout	1	5.40	1.20	1.20	7.78	
	LG Enclave Main Road Enterance E/S	1	6.30	1.20	1.50	11.34	
		Total Qty =				**472.79**	
		Qty Ltd Approved Qty =				**469.70**	Cum

183.165

AEE (VRP) SD

AEE (VRP) SD

Assistant Engineer
Ward No. 09

N Lalanaikeddy

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Sl. No	Description of Item	Measurments				Qty	Unit
		No.s	L	B	D		
	Measurements Recarded on :	15-03-2023					
3	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:4:8(M5) Using 40 mm nominal size graded crushed coarse aggregates						
	For New CC Drain - Bed Concrete						
	LG Enclave Main Road E/S						
	From Dead end to Main Road	1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	7.30	1.00	0.15	1.10	
	Culverts						
	near Dhanalakshmi Enterprises, IECEHS Layout	1	6.80	1.50	0.15	1.53	
	7th A Cross Gurudharshan Layout	1	6.40	1.50	0.15	1.44	
	Venkataswamappa Layout 2nd Cross	1	5.60	1.50	0.15	1.26	
	Sapthagiri Layout 5th A Cross	1	5.60	1.50	0.15	1.26	
	Sapthagiri Layout 3rd Main	1	6.30	1.50	0.15	1.42	
	5th Main Canara Bank Layout	1	13.00	1.50	0.15	2.93	
	9th Main Shivarama Karanth Road, Canara Bank Layout	1	8.20	1.50	0.15	1.85	
	8th 'A' Main Canara Bank Layout	1	11.10	1.50	0.15	2.50	
	6th Cross Sir M V Layout	1	6.20	1.50	0.15	1.40	
	5th Main Dhanalakshmi Layout	1	5.40	1.20	0.15	0.97	
	LG Enclave Main Road Enterance E/S	1	6.30	1.20	0.15	1.13	
		Total Qty =				**52.52**	
		Qty Ltd Approved Qty =				**52.03**	Cum

AEE (VRP) SD

AEE (VRP) SD

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Sl. No	Description of Item	Measurments				Qty	Unit
		No.s	L	B	D		
	Measurements Recarded on :	01-04-2023					
4	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates						
	For New CC Drain - Raft						
	LG Enclave Main Road E/S						
	From Dead end to Main Road	1	15.00	0.90	0.15	2.03	
		1	15.00	0.90	0.15	2.03	
		1	15.00	0.90	0.15	2.03	
		1	15.00	0.90	0.15	2.03	
		1	15.00	0.90	0.15	2.03	
		1	15.00	0.90	0.15	2.03	
		1	15.00	0.90	0.15	2.03	
		1	15.00	0.90	0.15	2.03	
		1	15.00	0.90	0.15	2.03	
		1	15.00	0.90	0.15	2.03	
		1	15.00	0.90	0.15	2.03	
		1	15.00	0.90	0.15	2.03	
		1	15.00	0.90	0.15	2.03	
		1	15.00	0.90	0.15	2.03	
		1	15.00	0.90	0.15	2.03	
		1	15.00	0.90	0.15	2.03	
		1	7.30	0.90	0.15	0.99	
	Side Wall						
		2	15.00	0.15	0.45	2.03	
		2	15.00	0.15	0.44	1.98	
		2	15.00	0.15	0.62	2.79	
		2	15.00	0.15	0.62	2.79	
		2	15.00	0.15	0.62	2.79	
		2	15.00	0.15	0.63	2.84	
		2	15.00	0.15	0.63	2.84	
		2	15.00	0.15	0.63	2.84	
		2	15.00	0.15	0.65	2.93	
		2	15.00	0.15	0.62	2.79	
		2	2.40	0.15	0.60	0.43	
		2	5.00	0.15	0.40	0.60	
		2	3.70	0.15	0.62	0.69	
		2	3.90	0.15	0.45	0.53	
		2	11.90	0.15	0.64	2.28	
		2	5.00	0.15	0.50	0.75	
		2	3.80	0.15	0.65	0.74	
		2	3.72	0.15	0.60	0.67	
		2	5.60	0.15	0.65	1.09	
		2	15.00	0.15	1.20	5.40	
		2	15.00	0.15	1.20	5.40	
		2	7.30	0.15	1.20	2.62	

AEE (VRP) SD

AEE (VRP) SD

79.15

Sl. No	Description of Item	Measurments				Qty	Unit
		No.s	L	B	D		
	Culverts						
	Raft					39.15	
	near Dhanalakshmi Enterprises, IECEHS Layout	1	6.80	1.50	0.20	2.04	
	7th A Cross Gurudharshan Layout	1	6.40	1.50	0.20	1.92	
	Venkataswamappa Layout 2nd Cross	1	5.60	1.50	0.20	1.68	
	Sapthagiri Layout 5th A Cross	1	5.60	1.50	0.20	1.68	
	Sapthagiri Layout 3rd Main	1	6.30	1.50	0.20	1.89	
	5th Main Canara Bank Layout	1	13.00	1.50	0.20	3.90	
	9th Main Shivarama Karanth Road, Canara Bank Layout	1	8.20	1.50	0.20	2.46	
	8th 'A' Main Canara Bank Layout	1	11.10	1.50	0.20	3.33	
	6th Cross Sir M V Layout	1	6.20	1.50	0.20	1.86	
	5th Main Dhanalakshmi Layout	1	5.40	1.20	0.20	1.29	
	LG Enclave Main Road Enterance E/S	1	6.30	1.20	0.20	1.51	
	Culvert Side Wall						
	near Dhanalakshmi Enterprises, IECEHS Layout	2	6.80	0.30	0.85	3.46	
	7th A Cross Gurudharshan Layout	2	6.40	0.30	0.45	1.72	
	Venkataswamappa Layout 2nd Cross	2	5.60	0.30	0.50	1.68	
	Sapthagiri Layout 5th A Cross	2	5.60	0.30	0.60	2.01	
	Sapthagiri Layout 3rd Main	2	6.30	0.30	0.75	2.83	
	5th Main Canara Bank Layout	2	13.00	0.30	0.60	4.68	
	9th Main Shivarama Karanth Road, Canara Bank Layout	2	8.20	0.30	0.65	3.19	
	8th 'A' Main Canara Bank Layout	2	11.10	0.30	0.60	3.99	
	6th Cross Sir M V Layout	2	6.20	0.30	0.60	2.23	
	5th Main Dhanalakshmi Layout	2	5.40	0.30	0.60	1.94	
	LG Enclave Main Road Enterance E/S	2	6.30	0.30	1.20	4.53	
		Total Qty =				**134.98**	
		Qty Ltd Approved Qty =				**134.74**	Cum

AEE (VRP) SD

AEE (VRP) SD

Assistant Engineer
Ward No. 09

N. Lokanatheddy

Assistant Executive Engineer
Vidyaranyapura sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Sl. No	Description of Item	Measurments				Qty	Unit
		No.s	L	B	D		
	Measurements Recarded on :	01-04-2023					
5	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.						
	U Shape Drains	**No**	**L**	**Mtrs**	**Kg/m**	**Kgs**	
	LG Enclave Main Road E/S 10 mm dia	1549	2.20	3407.80	0.62	2112.84	
	8 mm dia	15	232.30	3484.50	0.39	1358.96	
	Culverts						
	16 mm	57	2.50	142.50	1.58	225.15	
	12 mm	34	6.80	231.20	0.89	205.77	
	16 mm	53	2.50	132.50	1.58	209.35	
	12 mm	34	6.40	217.60	0.89	193.66	
	16 mm	47	2.50	117.50	1.58	185.65	
	12 mm	34	5.60	190.40	0.89	169.46	
	16 mm	47	2.50	117.50	1.58	185.65	
	12 mm	34	5.60	190.40	0.89	169.46	
	16 mm	53	2.50	132.50	1.58	209.35	
	12 mm	34	6.30	214.20	0.89	190.64	
	16 mm	108	2.50	270.00	1.58	426.60	
	12 mm	34	13.00	442.00	0.89	393.38	
	16 mm	68	2.50	170.00	1.58	268.60	
	12 mm	34	8.20	278.80	0.89	248.13	
	16 mm	93	2.50	232.50	1.58	367.35	
	12 mm	34	11.10	377.40	0.89	335.89	
	16 mm	52	2.50	130.00	1.58	205.40	
	12 mm	34	6.20	210.80	0.89	187.61	
	16 mm	45	2.50	112.50	1.58	177.75	
	12 mm	34	5.40	183.60	0.89	163.40	
	16 mm	53	2.50	132.50	1.58	209.35	
	12 mm	34	6.30	214.20	0.89	190.64	
						8590.03	Kgs
		Total Qty =				**8.59**	Tonnes
		Qty Ltd Approved Qty =				**8.58**	Tonnes

AEE (VRP) SD

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97